THE EXCITER

Formerly Called Gutter Dope, Established in 1934.

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VISITORS WELCOME

The San Antonio Radio Club meets every first and third Friday at Draughon's Business College, 409 E. Martin St.

DX NOTES

Violent End For A Lonely Island! So Life magazine headlines the volcanic tragedy that has befallen Tristan da Cunha, ZD9, one of the rarest DX spots in the world. Late in October the Island's 270 inhabitants were taken aboard rescue vessels as a searing blanket of lava destroyed their homes and fields. The Islanders are being transplanted to the Shetland Islands off the Scottish coast to begin life anew; and Thousands of DX'ers the world over can cross one more rare spot off their list. Continuing tides of lava, sulphurous clouds and showers of hot sparks promise to keep ZD9 off the air for a long time to come, while stray ships plying the lonely South Atlantic enjoy a vivid new landmark.

In a note from another part of the world; Mauro Tessieri, 601MT, of the Somali Republic comments on band conditions in East Africa. Quoting Mauro's broken but expressive English; he writes:

"Today in Somalia I have very difficulty work, for condx vy poor all bands! On 21 mc/s have not complete propogation, band closed, the stations in Kenya to RST is maximum 449. On 14 mc/s is possible work only two hours; 14 to 1600 GMT. After, QSB complete. In the nite; only sporadic PY, three or four w-k come in QSA 2 or 3 and my vy poor TX 25 watts not possible QSO. This situation in propogation negative is. OK frequencies very lo, but by much QRM atmospheriques!" So it seems we all have our troubles with these declining sunspots; but after all; it's nothing a 40-meter rhombic couldn't cure.

73 & DX, Len W5LGG

OLD TIMERS MEETING

The San Antonio Radio Club, Inc. held an Old Time Ham get together at its November 3rd meeting. Prizes were awarded to the three oldest licenses held by those present.

The winner of the first prize was W5BE Les Essingten, having held a license since 1920. Runners up were W5VL, James V. Fitzhugh and W5FFE Dr. E. A. Sahm, holding licenses from 1921. The early '20's were also represented by W5EYB Roy L. Albright and W5JC Jimmy Rives, holding licenses since 1922.

Many other hams were present with licenses ranging from the mid '20's to present date. The discussion sessions before and after the business meeting covered subjects ranging from some of the old one gap type transmitters, early vaccum tube types to the present day transistor and negative resistance circuits.

Dr. William J. Hamm, W5FMG, Professor of Physics at St. Mary's University presented a technical program on Negative Resistance Characteristics which was followed by a demonstration of the principle discussed.

CODE & THEORY CLASSES

The San Antonio Civil Defense Communication will hold code and theory classes which are scheduled to begin on January 3, 1962 at 7:15 P.M. at CD Headquarters, 423 So.

Editor	K5PKX
VHF Editor	W5LFM
DX Editor	W5LGG
40 Meter Editor	K5MOF
SSB Editor	W5BVI
Circulation Manager	K5OPT

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THE SAN ANTONIO RADIO CLUB, W5SC
W5IWE, Pres. K5VCR, V. P.
W5EDZ, Sec. K5UKN, Treas.

Alamo. Classroom is upstairs. All prospective amateurs and CD Members are invited to attend at no charge.

Graduation is your ham ticket!

L. J. Ohmes, K5IEG
Radio Officer SACD

SSB IN SAN ANTONIO

There are a few new sideband stations on the air around town and it is real nice to hear them. We would like to welcome them to the clan. Just a few that have been heard over the past month are: W5LGG, W5UX, W5HN, W5EJT, K5OPT, K5EMQ and W5BE. For W5UX and W5BE this was quite a change from Spark gap. There is some new equipment around the shacks besides the new sidebanders. Charlie K5VCR has the KWM-2 on the air with a new 20-40 meter beam. Bob, W4ANZ/5 has the collins 30L1 on the air and is doing very fine job. Ted K5EMQ called in the other night with a collins 32S1 after giving the Invador a trial he switched and is very happy with the new rig.

R. H. McCaffrey, W5BVI
WA 3-1586

40 METERS

Been hearing quite a few locals on 40 Meters—Heard some while I was in West Texas. Some are new generals while others are old ones returning to 40. Heard were, W5UMT/M Vic, K5BJZ/M Bill, W8NCI/5 Deane, W5VHB, K5DYR Del, K5HUN Bob, W5HGW Baker, K5GMV Earl, K5-BDR Carl, K5TYK Al, K5BDK Louie, W5BGT Ki, W5HYL Joe, W5ZIB, K5FLJ, W5GYW Bill, WTQU Jeff, & K5OPT Ruth.

Merry Xmas and Happy New Year to all—73,

Aubrey, K5MOF

The "EXCITER" will be four years old at the end of this year. This paper was born when the San Antonio Radio Club felt there was a need for a paper that would not only reach the club members but every licensed ham in the city. As the Advertising gained in the paper it was expanded to all the surrounding smaller cities and now has a circulation of 1000. To continue this monthly paper we must increase our advertising so that the paper will be self supporting. If every reader will express his appreciation to the advertisers when he is in their place of business and let them know that their add brought you into their store, this will help bring this paper into your QTH in the future. Also we are in need of more advertisers. Each one of us at one time or the other have something for sale. If it's ham gear, this is the paper that more ham customers read in this area. Also we would

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Hammarlund	HQ-100C	Collins	75S1
	HQ-105TRC		32S1
	HQ-110		32S2
	HQ-170		32S2
	HQ-180		312B4
	HX-500		

USED EQUIP IN STOCK

Viking II w/VFO	SX100	NC109
AF67 w/AC.	SX99	

FRED K5ENK PAUL K5OHG JIM K5TYI

like to have advertisement other then the general electronic field, as hams do buy other merchandise also.

If you as an individual or business want to sell something the EXCITER will print your add for the following:

1 full page	$44.00
3/4 page	35.00
1/2 page	28.00
1/4 page	18.00
2 Column 1-inch	9.00
1 column 1-inch	5.00

FOR SALE OR WANT ADDS 10 Cents per word with minimum $1.50.

For Contract rates contact M. D. Harris, K5PKX at LE 2-2726 or mail your add to P. O. Box 62 and you will be billed the following month.

New members of the San Antonio Radio Club are W5OMR Ed, W5JAJ Jack, KN5BCY Ed, W5IRQ Thad, K0OJZ/5 John, K5OCW Eddie, K5-IEG Leonard, K5LLK Bill, W5ZED Van, K5YNS Earl, K5HFY Claude & K5HMK Richard.

Efforts Are Underway to Regain 160 M Privileges

"A group of dedicated independent amateurs spearheaded by W8PAL are engaged in an effort to return 160 meters to its original amateur status. It is vital to this cause that you help in your own interest. This effort is not sponsored by any formal organization and your money is not required. Merely send your QSL card, post card, or scrap of paper with your call, signature, and comments to: 160 Meters, Cleveland 33, Ohio. Send a copy of this message via amateur radio or otherwise to at least five other amateurs on as many bands as you can. We will do the rest to obtain a hearing at the Commission. 73, W8UDN."

Reprinted from THE MONITOR

VHF AND UP

The fall meeting of URSI (International Scientific Radio Union) was held at the Univ. of Texas in late October. An interesting informal report of a long delay echo was told by Mike Villard, W6QYT, Stanford U. One of his associates, Rolf Dyce, talked to a forest ranger while on vacation. The ranger had been in FM voice contact with other ranger stations on about 38 mc. After transmitting, the ranger stood by, walked away from his equipment and heard his last transmission come back to himself. The second signal (echo) was verified by the other ranger stations in the net. Again the elusive echo continues to haunt those who look for it.

Some interesting backscatter schedules have been maintained by W5VY, Pat Patterson, and KA2EB, Tokyo. Pat has been able to have SSB voice contact with Tokyo on 28 mc. by pointing his Yagi at about 200 deg. while KA2EB points his beam at about 145 deg.

Contact is lost when antennas are swung around to the short great circle azimuths. The SSB signals are rather steady at S6 for as long as several hours in the early evening (1600-1800

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SEASONS GREETINGS FROM THE GROUP.

K5VCR	W5DBN	K5FOU	K5WLO
Charlie	Marion	James	Jimmy

CST). The path from San Antonio to New Zealand is open at the same time and the Tokyo signals fade out when the W5-ZL path fades out.

From the beam headings, the reflecting ionization patch would have to lie south of the Easter and Pitcairn island areas. The total ground distance covered would be about 14,000 statute miles while the short great circle distance is 6500 miles.

"Bug Power" is an exciting source of electricity of the future as described recently in Newsweek. A Navy contract is doing research wherein bacteria, salt water and metal are used to form a battery. The Bio-Ocean battery reaction is kept going when bacteria, which live on sulfate (instead of oxygen), allow the metal to keep dissolving. Output on the order of 5 to 10 watts has been obtained, enough to power signal lights and radio transmitters.

The most intriguing, however, is the Bio-Solar cell which converts the sun's rays directly into electricity. The ingredients are green algae, bacteria, metal plates and sunlight. The output is electricity, almost unlimited with time. (It has been rumored that a local firm plans to use cockroaches in their battery, using tequilla to oil the moving parts.) Regards for now. Cal Graf, W5LFM.

FOR SALE

Globe King 500C $450.00
Johnson K.W. Match Box w/SWR Meter 75.00
Heath Mohawk Rec., factory checked 275.00

ROY L. McGUIRE, K5BQF
LE 2-5955
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FOR SALE

BC-221P Freq. Meter with modulation, 115VAC regulated power supply and original calib. book $50. Heath Q Multiplier $7.50, 75 meter mobile phone xmitter, cables, relays, as is $15. PE-103 genemotor, 6 or 12 volt to 500VDC at 150 ma. $10. Small Prop Pitch Motor $10. Gotham beams: 20 meter 2 element $5, 15 meter 3 element $7.50. Magnavox 3 speed record changer $7.50. Speech amp. and 100 watt mod. with power sup. cheap. Command VFO Exciters 75, 40 and one covering 20 and 15, cheap. BC348, built-in 115VAC supply, silencer, S meter, extra audio, RF and AF controls, speaker $60. BC 779, (Hamm. Super Pro.) modernized with 115VAC supply $60. Other parts. W5EDX, H. Frank Jordan, 645 East Woodlawn, PE 3-8978.

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